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NOTICE OF ALLOWANCE AND FEE(S) DUE

37808

7590

03/13/2009

ROSETTA-GENOMICS c/o PSWS 700 W. 47TH STREET SUITE 1000 KANSAS CITY, MO 64112 EXAMINER

WOLLENBERGER, LOUIS V

ART UNIT PAPER NUMBER

1635

DATE MAILED: 03/13/2009

APPLICATION NO.	PPLICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/709,577	05/14/2004	Itzhak Bentwich	050992.0202.02USCP	3576	

TITLE OF INVENTION: SMALL MOLECULES MODULATING ACTIVITY OF MICRO RNA OLIGONULEOTIDES AND MICRO RNA TARGETS AND USES THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$0	\$0	\$755	06/15/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notification.	ed below or directed of	ng the Patent, advance of herwise in Block 1, by (orders and notification of a) specifying a new cor	of ma resp	aintenance fees wondence address;	ill be and/or	mailed to the current (b) indicating a separ	orrespondence ate "FEE ADD	address as RESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
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									(Date)
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10/709,577	05/14/2004	•	Itzhak Bentwich		•	0509	992.0202.02USCP	3576	
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nonprovisional	YES	\$755	\$0	_	\$0]		\$755	06/15/2009	2009
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WOLLENBER	GER, LOUIS V	1635	536-024500						
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4a. The following fee(s) Issue Fee	are submitted:	4	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed.						
Publication Fee (N	No small entity discount		Payment by credit card. Form PTO-2038 is attached.						
Advance Order - # of Copies			The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).						
5. Change in Entity Sta	*	*		•			<u> </u>		
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c/o PSWS		ART UNIT	PAPER NUMBER		
700 W. 47TH STR SUITE 1000 KANSAS CITY, N			1635 DATE MAILED: 03/13/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 381 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 381 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)					
	40/700 577						
Notice of Allowability	10/709,577 Examiner	BENTWICH ET AL. Art Unit					
·		1005					
	Louis Wollenberger	1635					
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate communicements. This application is suited.	his application. If not included ication will be mailed in due course. THIS					
1. This communication is responsive to the reply filed 11/11/2	<u>2008</u> .						
2. X The allowed claim(s) is/are <u>25,31,34 and 36</u> .							
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	e been received. e been received in Application	No					
International Bureau (PCT Rule 17.2(a)).							
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements					
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give							
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.						
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached							
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date							
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in	n the Office action of					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t							
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT							
Attachment(s)	5 D Nation of late	over I Detect Application					
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) 		rmal Patent Application					
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3. ☐ Information Disclosure Statements (PTO/SB/08), 7. ☒ Examiner's Amendment/Comment Paper No./Mail Date							
4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☐ Examiner's Statement of Reasons for Allowand of Biological Material							
	9. ☐ Other						
/Louis Wollenberger/ Primary Examiner, Art Unit 1635 March 5, 2009							

EXAMINER'S AMENDMENT

Status of Application/Amendment/Claims

Applicant's response filed 11/11/2008 has been considered. Rejections and/or objections not reiterated from the previous office action mailed 10/24/2008 are hereby withdrawn.

Applicant's amendments to the claims filed 11/11/2008 are acknowledged. The amendments to the claims filed 11/11/2008 have been entered into the application.

The proposed amendments filed 2/24/2009 are acknowledged BUT HAVE NOT BEEN ENTERED INTO THE APPLICATION, because these amendments are proposed amendments only and are intended only to facilitate the Examiner's amendment to the claims, below.

The claims as presented on 11/11/2008 are considered herein.

With entry of the amendment filed 11/11/2008, claims 25, 26, 29-31, and 33-35 are pending.

Claim Rejections - 35 USC § 101 and 112, First Paragraph—withdrawn

The rejection of Claims 25 and 31 under 35 U.S.C. 101 because the claimed invention is not supported by a credible asserted utility is withdrawn in view of the totality of the record by a preponderance of evidence and with due consideration to the persuasiveness of the arguments presented to date.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Teddy Scott on 2/24/2009.

With entry of the Examiner's amendment, below, claims 25, 31, 34, and 36 are allowed. The application has been amended as follows:

Claims 26, 29, 30, 33, and 35 have been cancelled.

In Claim 25 the phrase –wherein the sequence is 19-24 nucleotides– has been added to part (c), so that part (c) of claim 25 now reads "a sequence at least 80% identical to (a) or (b) wherein the sequence is 19-24 nucleotides; and".

In claim 31 the phrase –or claim 36– has been added to the claim after each occurrence of "claim 25", so that the claim now reads "A vector comprising a human insert, wherein the human insert consists of the nucleic acid of claim 25 or claim 36, and wherein the vector comprises no insert other than the nucleic acid of claim 25 or claim 36."

In claim 34 the phrase –or claim 36– has been added to the claim after each occurrence of "claim 25", so that the claim now reads "A probe comprising a human insert, wherein the human insert consists of the nucleic acid of claim 25 or claim 36, and wherein the probe comprises no insert other than the nucleic acid of claim 25 or claim 36."

Claim 36 (New) An isolated nucleic acid, wherein the nucleic acid consists of a sequence selected from the group consisting of:

- (a) SEQ ID NO:6816665;
- (b) an RNA encoded by (a);
- (c) the complement of (a) or (b), wherein the complement is identical in length to (a).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Louis Wollenberger whose telephone number is (571)272-8144. The examiner can normally be reached on M-F, 8 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James (Doug) Schultz can be reached on (571)272-0763. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1635

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Louis Wollenberger/ Primary Examiner, Art Unit 1635 March 5, 2009